



The image displays a musical score for a 12-note equal temperament system. It consists of two staves, each with 12 vertical stems and 12 note heads. The top staff uses the letter names C, D, E, F, G, A, and B as note heads. The bottom staff uses the letter names S, and S as note heads. The notes are grouped by pitch class (C, D, E, F, G, A, B) and octave, with each note having a specific duration and pitch. The score is organized into measures, with each measure containing one note from each pitch class. The duration of each note is indicated by its stem length, and the pitch is indicated by its position relative to the other notes in the measure.

(2) 50 HISTORY : Detailed Current Edit History  
(3) 58 DECLARATIONS  
(4) 88 LIB\$AB\_CVTTP\_Z

0000 1 .TITLE LIBSAB\_CVTTP\_Z Zoned to Packed Translation Table  
0000 2 .IDENT /1-0027 ; File: LIBCVTTPZ.MAR EDIT: RKR1002  
0000 3  
0000 4  
0000 5 \*\*\*\*\*  
0000 6 \*  
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0000 24 \*  
0000 25 \*  
0000 26 \*\*\*\*\*  
0000 27  
0000 28  
0000 29 FACILITY: LIBRARY SUPPORT  
0000 30 ++  
0000 31 ABSTRACT:  
0000 32 This module contains the translation table for zoned to packed  
0000 33 conversion using the CVTTP instruction.  
0000 34  
0000 35 --  
0000 36  
0000 37  
0000 38 VERSION: 1  
0000 39  
0000 40 HISTORY:  
0000 41  
0000 42 AUTHOR:  
0000 43 R. Reichert, 19-Feb-1980  
0000 44  
0000 45 MODIFIED BY:  
0000 46  
0000 47  
0000 48 :

LIB\$AB\_CVTPP\_Z  
1-002

Zoned to Packed Translation Table L 5  
HISTORY ; Detailed Current Edit History 15-SEP-1984 23:54:11 VAX/VMS Macro V04-00  
6-SEP-1984 11:05:07 [LIBRTL.SRC]LIBCVTPPZ.MAR;1 Page 2  
L 1

0000 51 .SBTTL HISTORY ; Detailed Current Edit History  
0000 52  
0000 53 : Edit History for Version 1 of LIBCVTPPZ  
0000 54  
0000 55 : 1-001 - Original. RKR 19-Feb-1980  
0000 56 : 1-002 - Modified copyright date to reflect 1981 release. RKR 6-JAN-81

0000 58 .SBTTL DECLARATIONS  
0000 59  
0000 60 :  
0000 61 : INCLUDE FILES:  
0000 62 :  
0000 63 :  
0000 64 :  
0000 65 : EXTERNAL SYMBOLS:  
0000 66 : NONE  
0000 67 :  
0000 68 :  
0000 69 :  
0000 70 : MACROS:  
0000 71 : NONE  
0000 72 :  
0000 73 :  
0000 74 :  
0000 75 : PSECT DECLARATIONS:  
00000000 76 .PSECT \_LIB\$CODE PIC, SHR, LONG, EXE, NOWRT  
0000 77 :  
0000 78 :  
0000 79 : EQUATED SYMBOLS:  
0000 80 : NONE  
0000 81 :  
0000 82 :  
0000 83 :  
0000 84 : OWN STORAGE:  
0000 85 : NONE  
0000 86 :

0000	88	.SBTTL LIB\$AB_CVTTP_Z
0000	89	
0000	90	++
0000	91	FUNCTIONAL DESCRIPTION:
0000	92	
0000	93	This is the zoned to packed translation table.
0000	94	
0000	95	It is used in conjunction with a CVTTP machine instruction to
0000	96	convert zoned numeric data items to packed decimal data type. Given
0000	97	the binary representation for the highest addressed byte (that is, the
0000	98	least significant digit and sign) of a data item in the zoned numeric
0000	99	data type, the table gives the hex representation of the
0000	100	highest addressed byte in the packed decimal form of the data item.
0000	101	--
0000	102	
0000	103	LIB\$AB_CVTTP_Z::
0000	104	: Hex
00 00 00 00 00 00 00 00 00 00	105	-----
00 00 00 00 00 00 00 00 00 00	106	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 00-07
00 00 00 00 00 00 00 00 00 00	107	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 08-0F
00 00 00 00 00 00 00 00 00 00	108	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 10-17
00 00 00 00 00 00 00 00 00 00	109	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 18-1F
00 00 00 00 00 00 00 00 00 00	110	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 20-27
00 00 00 00 00 00 00 00 00 00	111	.BYTE ^X0C,^X1C,^X2C,^X3C,^X4C,^X5C,^X6C,^X7C : 28-37
7C 6C 5C 4C 3C 2C 1C 0C	0030	.BYTE ^X8C,^X9C,^X00,^X00,^X00,^X00,^X00,^X00 : 38-3F
00 00 00 00 00 00 00 00 00 00	0038	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 40-47
00 00 00 00 00 00 00 00 00 00	0040	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 48-4F
00 00 00 00 00 00 00 00 00 00	0048	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 50-57
00 00 00 00 00 00 00 00 00 00	0050	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 58-5F
00 00 00 00 00 00 00 00 00 00	0058	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 60-67
00 00 00 00 00 00 00 00 00 00	0060	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 68-6F
7D 6D 5D 4D 3D 2D 1D 0D	0070	.BYTE ^X0D,^X1D,^X2D,^X3D,^X4D,^X5D,^X6D,^X7D : 70-77
00 00 00 00 00 00 9D 8D	0078	.BYTE ^X8D,^X9D,^X00,^X00,^X00,^X00,^X00,^X00 : 78-7F
00 00 00 00 00 00 00 00 00	0080	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 80-87
00 00 00 00 00 00 00 00 00	0088	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 88-8F
00 00 00 00 00 00 00 00 00	0090	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 90-97
00 00 00 00 00 00 00 00 00	0098	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 98-9F
00 00 00 00 00 00 00 00 00	00A0	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : A0-A7
00 00 00 00 00 00 00 00 00	00A8	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : A8-AF
00 00 00 00 00 00 00 00 00	00B0	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : B0-B7
00 00 00 00 00 00 00 00 00	00B8	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : B8-BF
00 00 00 00 00 00 00 00 00	00C0	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : C0-C7
00 00 00 00 00 00 00 00 00	00C8	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : C8-CF
00 00 00 00 00 00 00 00 00	00D0	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : D0-D7
00 00 00 00 00 00 00 00 00	00D8	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : D8-DF
00 00 00 00 00 00 00 00 00	00E0	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : E0-E7
00 00 00 00 00 00 00 00 00	00E8	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : E8-EF
00 00 00 00 00 00 00 00 00	00F0	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : F0-F7
00 00 00 00 00 00 00 00 00	00F8	.BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : F8-FF
0100	137	:
0100	138	.END

LIB\$AB\_CVTP\_Z  
Symbol-table

Zoned to Packed Translation Table

B 6

15-SEP-1984 23:54:11 VAX/VMS Macro V04-00  
6-SEP-1984 11:05:07 [LIBRTL.SRC]LIBCVTPZ.MAR;1 Page 5  
(4)

LIB\$AB\_CVTP\_Z 00000000 RG 01

+-----+  
! Psect synopsis !  
+-----+

PSECT name

	Allocation	PSECT No.	Attributes
. ABS	00000000 ( 0.) 00 ( 0.)	NOPIC USR CON	ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
_LIB\$CODE	00000100 ( 256.) 01 ( 1.)	PIC USR CON	REL LCL SHR EXE RD NOWRT NOVEC LONG

+-----+  
! Performance indicators !  
+-----+

Phase

	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.06	00:00:01.69
Command processing	114	00:00:00.30	00:00:04.27
Pass 1	66	00:00:00.49	00:00:04.00
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	40	00:00:00.21	00:00:01.73
Symbol table output	1	00:00:00.01	00:00:00.01
Psect synopsis output	2	00:00:00.00	00:00:00.11
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	254	00:00:01.08	00:00:11.82

The working set limit was 900 pages.

2671 bytes (6 pages) of virtual memory were used to buffer the intermediate code.  
There were 10 pages of symbol table space allocated to hold 1 non-local and 0 local symbols.  
138 source lines were read in Pass 1, producing 8 object records in Pass 2.  
0 pages of virtual memory were used to define 0 macros.

+-----+  
! Macro library statistics !  
+-----+

Macro library name

\_S255\$DUA28:[SYSLIB]STARLET.MLB:2

Macros defined

0

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LISS:LIBCVTPZ/OBJ=OBJ\$:LIBCVTPZ MSRC\$:LIBCVTPZ/UPDATE=(ENHS:LIBCVTPZ)

0205 AH-BT13A-SE  
VAX/VMS V4.0

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